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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/026,676	12/27/2001	Patricia A. Robinson	088305-0139	7052

7590

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EXAMINER

PITARO, RYAN F

ART UNIT

PAPER NUMBER

2174

DATE MAILED: 08/02/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

10/026,676

Applicant(s)

ROBINSON ET AL.

Examiner

Ryan F Pitaro

Art Unit

2174

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 26 December 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-40 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-40 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 12/27/01.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

**DETAILED ACTION**

1. Claims 1-40 have been examined.

***Specification***

2. The disclosure is objected to because of the following informalities:
- a. There is no description of Figure 4 in the detailed description of the preferred embodiment.
  - b. Page 1/ line 1 (Field of the Invention): "to interfaces in software application" should be changed to -- to interfaces in software applications -- or -- to interfaces in a software application--
- Appropriate correction is required.

***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1-7,9-15,17-23,25-31,33-39 rejected under 35 U.S.C. 102(e) as being obvious over Petty et al ("Petty", US# 6,342,907).

As Per Claim 1 Petty teaches a method for dynamically developing a user interface in an existing software application (Column 3, lines 30-32), comprising:

invoking a user interface developer component (Column 6 lines 42-44) during the execution of the software application (Column 3, lines 30-32);

identifying one or more fields to include in the user interface (Column 1 lines 55-59; 61-62) & (Column 17 lines 22-25);

associating a field type for each of the identified one or more fields (Column 11 lines 60-61);

saving the identified one or more fields and associated field types in a user interface definition file (Column 13 lines 7-9) & (Figure 1 elements 120,123); and

generating the user interface based on the user interface definition file during the execution of the software application (Column 8 60-66).

As per claim 2 Petty teaches a method, further comprising:

providing one or more values for at least one of the identified one or more fields depending upon the associated field type (Figure 3 item 15; *wherein field is color and values are yellow, red, etc.*); and

saving the one or more values in the user interface definition file (Column 13 lines 7-9) & (Figure 1 elements 120,123).

As per claim 3, Petty teaches a method, wherein the user interface definition file is saved as an XML file (Column 6 lines 42-44).

As per claim 4, Petty teaches a method, wherein the generating includes parsing the user interface definition file to generate the user interface (Column 6 lines 56-57).

As per claim 5, Petty teaches a method, wherein the generating further includes transforming the parsed user interface definition file into one or more objects (Column 6 lines 56-57).

As per claim 6, Petty teaches a method, wherein the one or more objects are Java (Column 6 lines 56-57).

As per claim 7, Petty teaches a method, wherein the generating further includes displaying the user interface based on the one or more objects (Figure 7 & Column 8 lines 60-67).

As per claim 8, Petty teaches a method, wherein the user interface developer component is implemented as a plug-in(*wherein a plug-in is defined as a module that can be added to a large computer application give it greater capabilities*) for the software application. (Column 3 22-25;).

Claims 9,17,25,33 are individually similar in scope to claim 1, and are therefore rejected under similar rationale.

Claims 10,18,26,34 are individually similar in scope to claim 2, and are therefore rejected under similar rationale.

Claims 11,19,27,35 are individually similar in scope to claim 3, and are therefore rejected under similar rationale.

Claims 12,20,28,36 are individually similar in scope to claim 4, and are therefore rejected under similar rationale.

Claims 13,21,29,37 are individually similar in scope to claim 5, and are therefore rejected under similar rationale.

Claims 14,22,30,38 are individually similar in scope to claim 6, and are therefore rejected under similar rationale.

Claims 15,23,31,39 are individually similar in scope to claim 7, and are therefore rejected under similar rationale.

Claims 16,24,32,40 are individually similar in scope to claim 8, and are therefore rejected under similar rationale.

### ***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- Ford (US# 5,786,815) – A configurable runtime graphical user interface widget management.
- Burkett et al (US# 6,476,828) – building and displaying dynamic graphical user interfaces.


- Spertus et al (US# 6,518,979) – Automatically maintained customizable user – interfaces.
- Sobeski et al (US# 6,633,315) – Context-based dynamic user interface elements.
- Altimpich et al (US# 5,982,367) – creating a list from user defined values.
- Kaczmariski (US# 6,448,981) – Intermediate user-interface definition method

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ryan F Pitaro whose telephone number is 703-605-1205. The examiner can normally be reached on 7:00am - 4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kristine Kincaid can be reached on 703-308-0640. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ryan F Pitaro  
Patent Examiner  
Art Unit 274

  
SY D. LUU  
PRIMARY EXAMINER

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